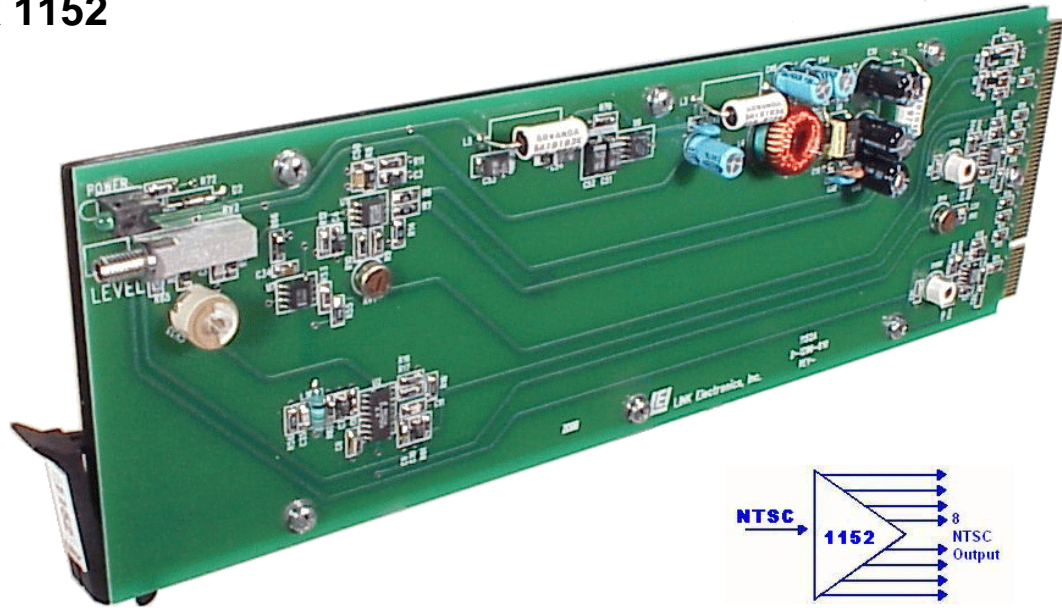




LINK ELECTRONICS, INC.

ANALOG VIDEO DISTRIBUTION AMPLIFIER 1 X 8 DigiFlex 1152



FEATURES

- ◆ Eight Outputs
- ◆ Differential Input
- ◆ DC or AC Coupled
- ◆ Op Amp. Technology
- ◆ $\pm 3\text{dB}$ Gain, each set of four
- ◆ 100 MHz Bandwidth
- ◆ Diff. Gain and Phase 0.1

Mounting Frame Options

- 1000 - Single Power Supply, Holds 11 Modules
- 1000/2 - Dual Power Supply, Holds 10 Modules
- 7200 - Mounting Frame, Holds 1 Module

The DigiFlex 1152 Video DA represents the state of the art in analog video distribution. The 1152 provides high-performance video distribution in the LINK DigiFlex 1000 Frame. The advantage is obvious: both analog and digital distribution amplifiers can operate side-by-side in a single frame!

Utilizing the latest CMF Op-Amp technology, the 1152 combines wide bandwidth, low noise, and low power consumption. The video path is truly transparent, with differential phase and gain errors of $<0.1^\circ$ and $<0.1\%$, respectively. Video signal-to-noise ratio exceeds 65dB.

DC-coupled differential input is a standard feature, providing high common-mode rejection. Eight outputs are available on the companion rear cell, model 1011. The front panel gain control adjusts the level to $\pm 3\text{dB}$.

The attention to detail in the design of the 1152 extends to the power supply, which features a simple switching regulator. While slightly more complex than a linear supply, this offers the highest possible efficiency. Backed by a ten-year warranty including parts and labor. The 1152 will provide years of trouble-free service.

DIGIFLEX 1152 DIGITAL VIDEO DA

SPECIFICATIONS

INPUTS:

Number: One, terminated
Level: 1 Vp-p \pm 3dB
Impedance: 75 Ω Terminated
Common Mode Range: 5 Vpp
Maximum DC In: \pm 5Volts
CMRR: >70dB @ 60Hz
Return Loss: >40dB @ 3.58MHz

OUTPUTS:

Number: Eight
Impedance: 75 Ω
Level: Unity Gain \pm 3dB
Connectors: BNC

AMPLIFIER PERFORMANCE:

Frequency Response: \pm 0.5dB to 40MHz
..... \pm 1dB @ 60MHz
..... -2.0 dB @ 80MHz
..... -3dB @ 100MHz
Differential Gain: <0.1%
Differential Phase: <0.1 $^\circ$
DC Gain Stability: >50dB
Noise: >65dB
Hum: >70dB
Output Isolation: >40dB @ 3.58MHz
Return Loss: >40dB @ 6MHz
Line Rate Tilt: <0.2%
Field Rate Tilt: <0.2%
Ringing: <0.4%
High Frequency Overshoot: <0.4%
Coupling: DC Servo, Average DC Output = 0
Propagation Delay: 14nS

ADJUSTMENTS (Front edge of module):

Video Gain: \pm 3dB

ENVIRONMENTAL:

Temperature: 0 $^\circ$ to 50 $^\circ$ C Ambient
Humidity: 10% to 90% non-condensing
Power: 500mW

MECHANICAL:

Height: 3.2 Inch
Width: 1.0 Inch
Length 10 Inch
Weight: 7.1 Oz

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Rear Cell I/O
0. Input
1. Out
2. Out
3. Out
4. Out
5. Out
6. Out
7. Out
8. Out



PROFESSIONAL SERIES--

modular system products--by **LINK**

1152/042503

1011 REARCELL